

JPL C-16984  
CIT 1917  
Docket JPL87-008

DECLARATION AND POWER OF ATTORNEY  
(Sole Inventor)

As the below named inventor, I hereby declare that:

I believe that I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled OPTICALLY INTRACONNECTED COMPUTER EMPLOYING DYNAMICALLY RECONFIGURABLE HOLOGRAPHIC OPTICAL ELEMENT described and claimed in the attached specification. I have reviewed and understand the contents of the specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint <sup>601</sup>Donald A. Streck, Registration No. <sup>301</sup>27,059, 6219 Alameda Ave., Suite 2F, Ventura, CA 93003, (805) 644-4035, my attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Wherefore, I hereby subscribe my name to the foregoing specification and claims, declaration and power of attorney.

Full name of inventor: <sup>40101</sup>Larry A. Bergman

Inventor's signature: Larry A. Bergman

Address: 6901 Chisholm Ave., Van Nuys, CA 91406 <sup>611</sup>

Citizenship: United States

Date: 9/29, 1987

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VERIFIED STATEMENT (DECLARATION)  
CLAIMING SMALL ENTITY STATUS  
(Non-Profit Organization)

As assignee of the below identified invention, I hereby declare that the California Institute of Technology ("CALTECH"), an institution of higher education, is tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3)) and is an educational organization pursuant to the California Corporations Code, Sections 5000, et seq., and, therefore, qualifies as a Non-Profit Organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled OPTICALLY INTRACONNECTED COMPUTER EMPLOYING DYNAMICALLY RECONFIGURABLE HOLOGRAPHIC OPTICAL ELEMENT described in the specification filed herewith.

CALTECH has not assigned, granted, conveyed or licensed and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e) or a Federal Agency having or entitled to a license as defined in 35 USC 202(c)(4).

Each person, concern or organization to which CALTECH has assigned, granted, conveyed, or licensed or is under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed as follows:

United States of America as represented by the  
Administrator of the National Aeronautics and Space  
Administration, Washington, DC 20546

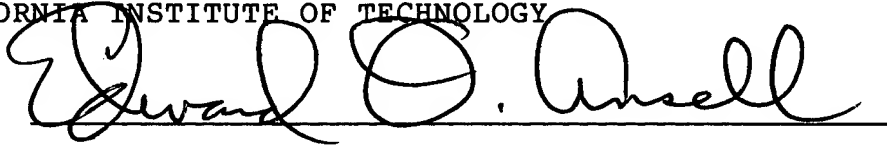
I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate.  
(37 CFR 1.28(b))

Verification of Small Entity Status  
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I hereby declare that I am empowered to act on behalf of CALTECH in this matter and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

CALIFORNIA INSTITUTE OF TECHNOLOGY

By:

A handwritten signature in dark ink, appearing to read "Edward O. Ansell", is written over a horizontal line.

Title: Director of Patents and Licensing

Date: September 29, 1987

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4-38-88

**Date Prepared:** September 29, 1987

This is an [ ] initial [ ] updated prior art disclosure. If possible, attach a copy of each of the documents identified below. NOTE: PATENTS AND DOCUMENTS RESULTING FROM NOVELTY, PATENTABILITY OR OTHER FORMAL SEARCH SHOULD NOT BE LISTED.

Name or Initial  
of Inventor  
or Staff Member

None

Aside from the prior art resulting from the novelty or patentability search, if any, of record in this case, the item(s) of possible prior art identified herein are all that I know about; and, if my name or initial does not appear above, I have no knowledge of any relevant prior art.

Date: 9/29/87

Date: 9/28/87

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**Date:**

Date: